

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI ELECTRIC CORP

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(72)Inventor : MURAI HIDESHI

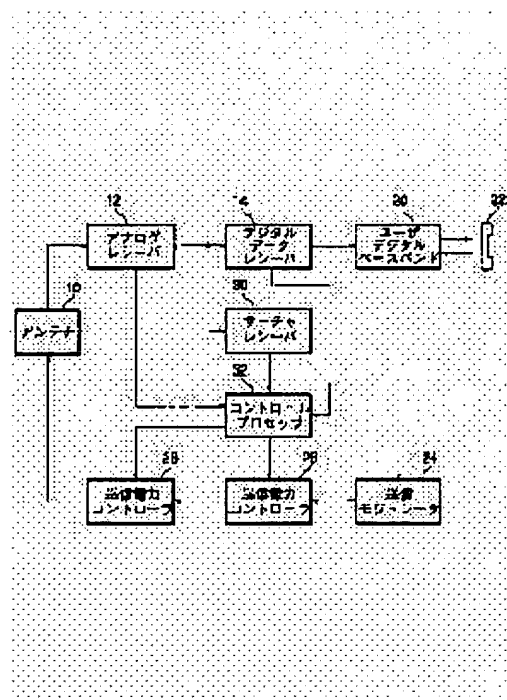
TAKANO MICHIAKI

## (54) TRANSMISSION POWER CONTROLLER IN MOBILE COMMUNICATION AND ITS SYSTEM

### (57)Abstract:

PURPOSE: To increase the capacity of the system by implementing accurate transmission power control at a mobile set side.

CONSTITUTION: A control processor 32 detects received power and the reception power is calculated from a strength of a pilot signal fed from a searcher receiver 30 in this case. Thus, the signal strength of a transmission signal from a base station from which a mobile set is communicated is accurately detected. Furthermore, a fading speed is estimated from a change in the received power thereby controlling an averaging time in a transmission power controller 28. Thus, the system copes even with a change in the fading speed and the optimum averaging time is always obtained. Then an electric field median strength is always detected without causing a response delay and accurate transmission power control is attained.



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